

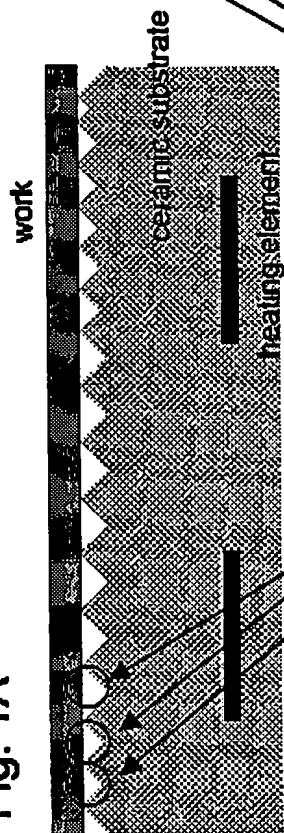
The surface roughness is too large (Figs. 1A and 1C)

The surface roughness is too small (Figs. 1B and 1D)

The work contacts with the work-heating surface (Figs. 1A and 1B)

The work is held apart from the work-heating surface (Figs. 1C and 1D)

Fig. 1A



Atmospheric gases remain and cause accumulation of heat.

Fig. 1C

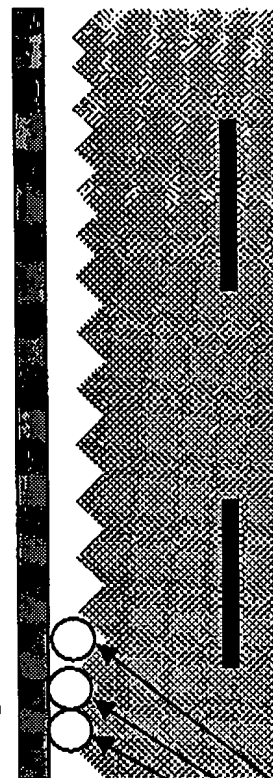
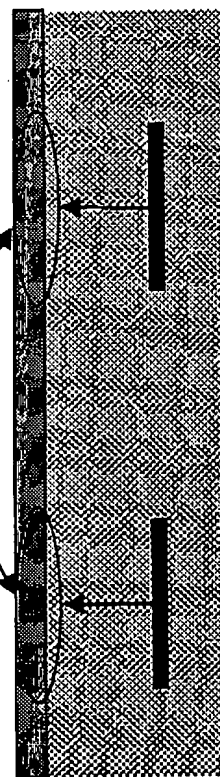


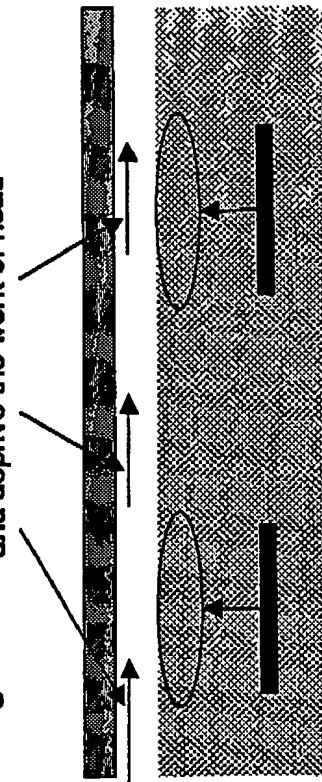
Fig. 1B

Temperature difference is reflected to the work.



Atmospheric gases flow easily and deprive the work of heat.

Fig. 1D



**Fig. 2**

**Electrode layer has a surface roughness Rmax of 5  $\mu$ m or larger (claim 1).**

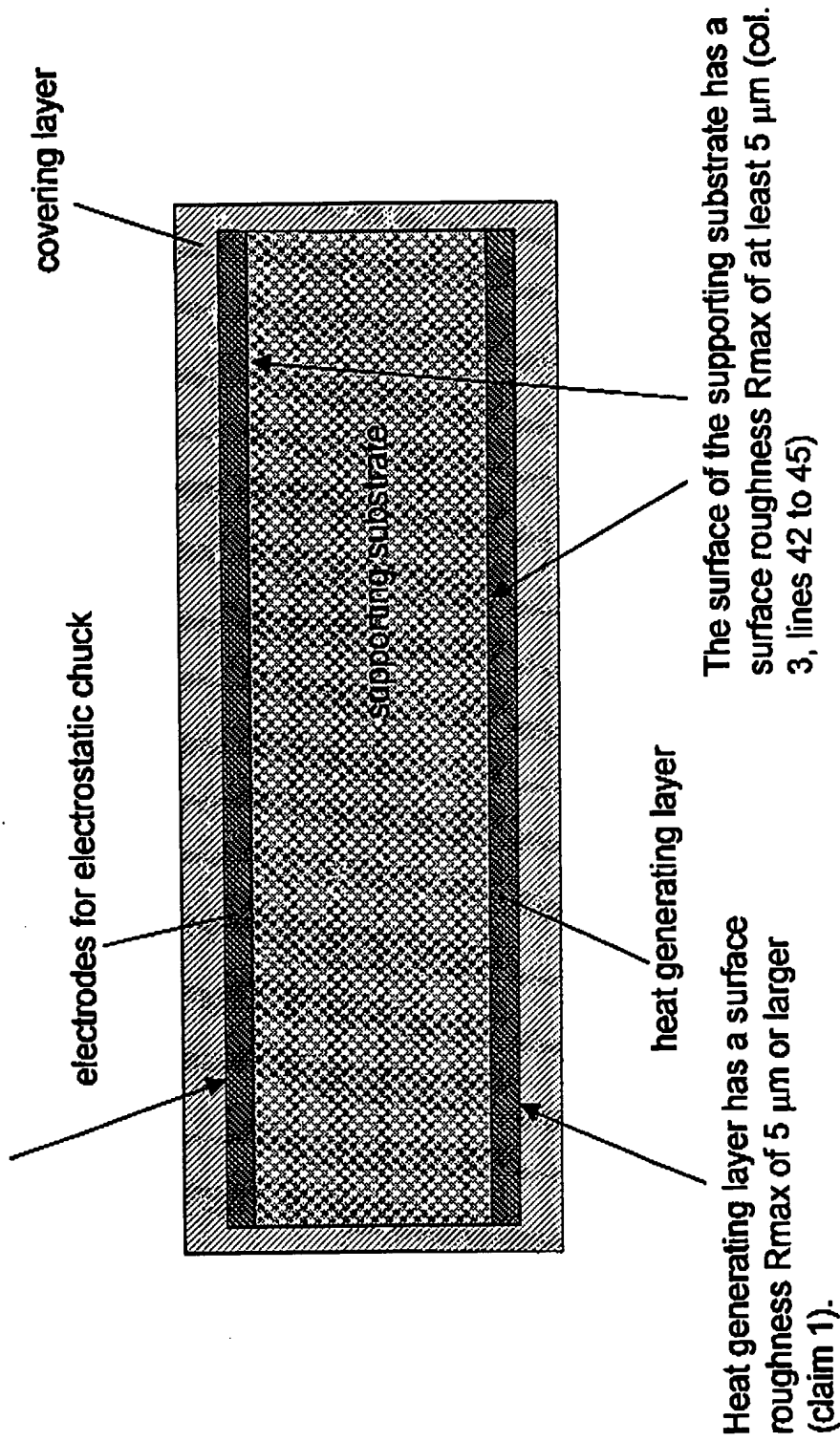


Fig. 3A

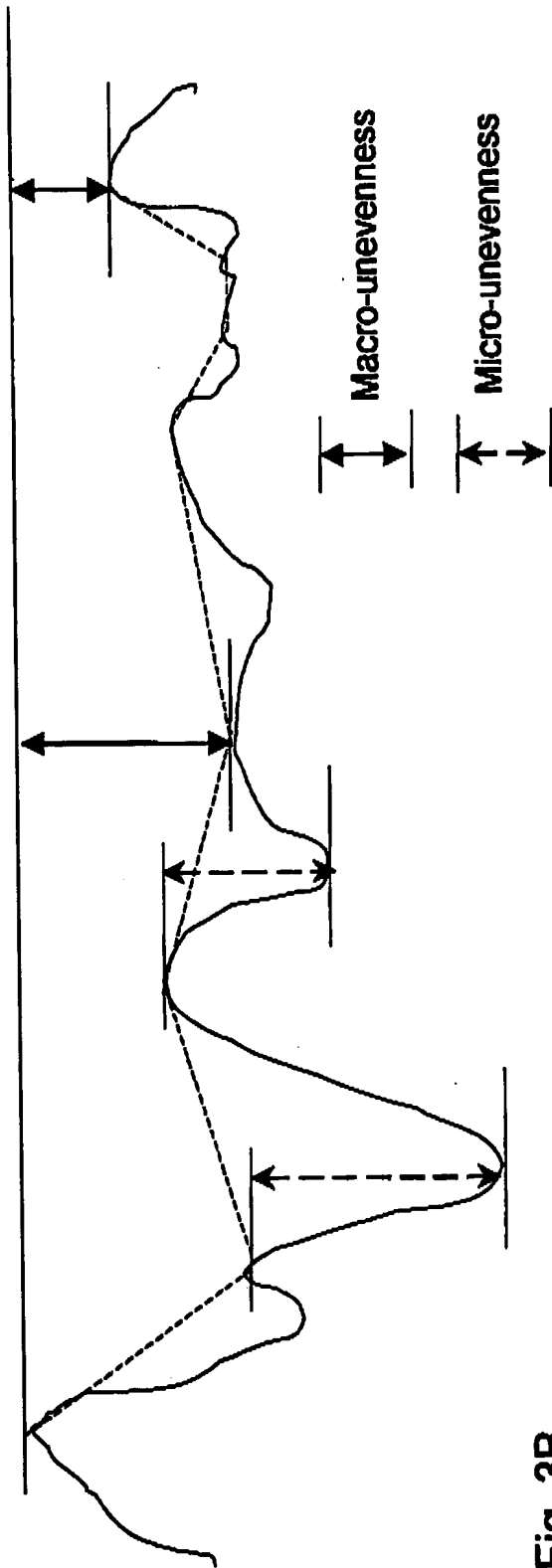


Fig. 3B

